

Dow C705-44NA Polypropylene Impact Copolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

DOW C705-44NA Polypropylene Resin is a high melt flow rate impact copolymer that combines superior stiffness and good impact resistance. The product is intended for use in injection molding applications, such as thin wall containers, housewares, and consumer durables. Main Characteristics: High stiffness, Nucleated for fast set-up, Good impact resistance, Contains antistat for mold release, Complies with U.S. FDA FCN 843. Dow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-C705-44NA-Polypropylene-Impact-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Index of Compound	44 g/10 min @Load 2.16 kg, Temperature 230 °C	44 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.9 MPa	3180 psi	ASTM D638
Flexural Modulus, 1% Secant	1370 MPa	199000 psi	ASTM D790A
Izod Impact, Notched	0.320 J/cm @Temperature -20.0 °C	0.599 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	0.374 J/cm @Temperature 0.000 °C	0.701 ft-lb/in @Temperature 32.0 °F	ASTM D256A
	0.534 J/cm @Temperature 23.0 °C	1.00 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 °C	234 °F	Unannealed; ASTM D648

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